

Title (en)  
PROCESS FOR THE PREPARATION OF MIDDLE DISTILLATES AND LUBE BASES STARTING FROM SYNTHETIC HYDROCARBON  
FEEDSTOCKS

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON MITTELDISTILLATEN UND BASISÖLEN AUS SYNTHETISCHEN KOHLENWASSERSTOFFEN

Title (fr)  
PROCEDE DE PREPARATION DE DISTILLATS MOYENS ET DE BASES DE LUBRIFIANTS A PARTIR DE CHARGES D'HYDROCARBURES  
SYNTHETIQUES

Publication  
**EP 1641899 A1 20060405 (EN)**

Application  
**EP 04740379 A 20040628**

Priority  
• EP 2004006979 W 20040628  
• IT MI20031361 A 20030703

Abstract (en)  
[origin: WO2005003262A1] Process for the contemporaneous production of fuels and lubricating bases from synthetic paraffinic mixtures, which includes a hydrocracking step in the presence of a solid bi-functional catalyst comprising: (A) a support of an acidic nature consisting of a catalytically active porous solid, including silicon, aluminum, phosphorus and oxygen bonded to one another in such a way as to form a mixed amorphous solid characterized by an Si/Al atomic ratio of between 15 and 250, a P/Al ratio of at least 0.1, but lower than 5, a total pore volume ranging from 0.5 to 2.0 ml/g, with an average pore diameter ranging from 3 nm. to 40 nm, and a specific surface area ranging from 200 to 1000 M2/g; (B) at least one metal with a hydro-dehydrogenating activity selected from groups 6 to 10 of the periodic table of elements, dispersed on said support (A) in an amount of between 0.05 and 5% by weight with respect to the total weight of the catalyst.

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**C10G 47/14**

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